

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

WinDoor, Inc. 7500 Amsterdam Drive Orlando, FL 32832

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "4000" Aluminum Single Hung Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **FEI0002**, titled "Series 4000 Single Hung Impact (SMI) Window", sheets 1 through 8 of 8, dated 07/11/11, with revision B dated 10/12/12, prepared by PTC, Product Design Group, LLC, signed and sealed by Robert James Amoruso, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 12-0320.16 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



1/8/12

NOA No. 12-1106.01 Expiration Date: November 18, 2014 Approval Date: January 17, 2013 Page 1

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- **1.** Manufacturer's die drawings and sections.
- 2. Drawing No **FEI0002**, Sheets 1 through 8 of 8, titled "Series 4000 Single Hung Impact (SMI) Window", dated 07/11/11, with revision B dated 10/12/12, prepared by PTC Product Design Group, LLC, signed and sealed by Robert James Amoruso, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of aluminum single hung window, specimens #SH-1 through #SH-6, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3567-2**, dated 10/24/08, signed and sealed by Gerard J. Ferrara, P.E.

(Submitted under previous NOA #09-0723.07)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of aluminum single hung window, specimens #SH-9, #SH-10 and #SH-11prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3568-2**, dated 10/24/08, signed and sealed by Gerard J. Ferrara, P.E.

(Submitted under previous NOA #09-0723.07)

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by PTC, LLC, dated 5/19/09, signed and sealed by Robert James Amoruso, P.E.

(Submitted under previous NOA #11-0815.12)

2. Glazing complies with ASTM E1300-04

Manuel Perez, P.E. Product Control Examiner

Expiration Date: November 18, 2014

Approval Date: January 17, 2013

WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 11–0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC-2010, and no financial interest, dated October 29, 2012, signed and sealed by Robert James Amoruso, P.E.
- 2. Laboratory compliance letters for Test Reports No. NCTL-210-3567-2 and NCTL-210-3568-2, issued by National Certified Testing Laboratories, dated January 7, 2009, signed and sealed by Gerard J. Ferrara, P.E. (Submitted under previous NOA #09-0723.07)

G. OTHERS

1. Notice of Acceptance No. **12-0320.16**, issued to WinDoor, Inc. for their Series "4000" Aluminum Single Hung Window – S.M.I., approved on 05/31/12 and expiring on 11/18/14.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-1106.01

Expiration Date: November 18, 2014 Approval Date: January 17, 2013

WINDOOR, Inc. IMPACT SERIES 4000 SH Window, SMI INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

Substrate

CMU

Filled

(Grouted)

CMU

Concrete

Wood Frame

Mullion

(Jamb Only)

- 1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH 3. WHEN WOOD BUCKS ARE USED, THEY SHALL NOT BE VELOCITY HURRICANE ZONE (HVHZ) OF THE 2007 AND 2010 FLORIDA BUILDING CODE (FBC) AT THE DESIGN PRESSURES REGARDLESS OF THEIR ATTACHMENT TO THE STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # NCTL-210-3744-2A AND NCTL-210-3744-6A DATED 01/07/2009 AND ASSOCIATED LABORATORY STAMPED DRAWINGS AND WERE TESTED IN ACCORDANCE WITH CURRENT DADE COUNTY PROTOCOLS.
- 2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

Anchor Type

Carbon Steel Concrete

Screw

Carbon Steel Concrete

Carbon Steel Concrete

Screw

Carbon Steel Concrete

Carbon Steel Concrete

Screw

Wood (WS) or Sheet

Metal Screw (SMS)

Carbon Steel or

Stainless Steel

Sheet Metal Screw

(SMS) - Carbon Steel

or Stainless Steel

Minimum

Concrete

Strength

(psi)

ASTM C90

2000

2000

2000

2700

n/a

n/a

- CONSIDERED PART OF THE STRUCTURAL SUBSTRATE STRUCTURAL SUBSTRATE. WOOD BUCKS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER 7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1. OR ARCHITECT OF RECORD.
- 4. WHEN 1X AND 2X WOOD BUCKS ARE USED AND IN CONTACT WITH CONCRETE AND/OR MASONRY, THE WOOD USED SHALL BE EITHER A PRESERVATIVE TREATED SOUTHERN YELLOW PINE OR A DURABLE WOOD SPECIES IN ACCORDANCE WITH 2007 AND 2010 FBC -BUILDING, SECTION 2326.2. THE WOOD USED MUST HAVE A SPECIFIC GRAVITY OF 0.55 MINIMUM.

Minimum

Embedment (in

1 1/4

1 1/4

1 3/4

1 3/4

1 3/4

1 3/4

1 1/2

3 screw threads

inside of mullion's

web

Minimum

Edge

Distance

(in)

2 1/2

2

1 1/2

1 1/2

2 1/2

1 1/2

1 1/2

- 5. AN IMPACT PROTECTIVE SYSTEM (I.E. SHUTTERS, ETC.) IS 7 SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR NOT REQUIRED WITH THESE WINDOWS.
- 6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T6 AND 6005-T5.
- 8. DESIGNATIONS "X" AND "O" STANDS FOR THE FOLLOWING: X: OPERABLE SASH, O: FIXED LITE.
- 9. A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCTS SHOWN HEREIN. WIND LOAD DURATION FACTOR (Cd = 1.6) HAS NOT BEEN USED FOR WOOD ANCHOR DESIGN.

INSTALLATION NOTES:

- 1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON THE ELEVATIONS
- NOT APPLICABLE.
- 3. ALL INSTALLATION ANCHORS MUST HAVE A CORROSION RESISTANT COATING OR BE MADE OF STAINLESS STEEL.
- 4. SEAL FRAME CORNERS AT SILL-TO-JAMB AND HEAD-TO-JAMB WITH SMALL JOINT SEAM SEALANT. SEE CORNER DETAIL
- 5. SEAL ALL INSTALLATION ANCHOR HEADS WITH SMALL JOINT SEAM SEALANT DURING INSTALLATION. APPLY SEALANT IN COUNTERSINK BEFORE ANCHOR INSTALLATION AND SEAL ANCHOR HEAD AFTER ANCHOR INSTALLATION.
- 6. THE SPACING OF INSTALLATION ANCHORS DEPICTED IS THE MAXIMUM SPACING TO BE USED FOR PRODUCT INSTALLATION, ANCHORS ARE TO MATCH TYPE, SIZE, EDGE DISTANCE AND EMBEDMENT OF THOSE SHOWN IN TABLE 1 FOR RESPECTIVE SUBSTRATE.

		TABLE OF CONTENTS	C. MASONRY - ST
ET	REV.	SHEET DESCRIPTION	C-90 MEDIUM W FILLED PER FLO
	В	GENERAL AND INSTALLATION NOTES	RODUCT REVISED
	Α		s complying with the Flori
	Α	ANCHORAGE LIMITATIONS DP TABLES	conditions Code sceptance No 12-1106
	Α	VERTICAL SECTIONS & CORNER DETAIL	expiration Date Vov. 18
	Α	VERTICAL SECTIONS	July wind Da
	В		y Wanuel Jr
	Α	HORIZONTAL SECTIONS	liami pade i roduci conse
	В	COMPONENTS, BOM & GLAZING DETAILS	

- WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 8. FOR INSTALLATION INTO WOOD FRAMING, USE WOOD SCREWS OR TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE THE MINIMUM EMBEDMENT, MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR SEPARATION OF 1 INCH AS SHOWN IN TABLE 1.
- 9. FOR INSTALLATION THROUGH 1X WOOD BUCK TO CONCRETE / MASONRY, OR DIRECTLY INTO CONCRETE / MASONRY, USE CONCRETE SCREWS OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE AS SHOWN IN TABLE 1. TO PREVENT WOOD BUCKING FROM SPLITTING, DRILL 1/4" DIAMETER HOLE TO ACCOMODATE ANCHORS.
- 10. FOR INSTALLATION INTO APPROVED MULLION, USE TAPPING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS EMBEDMENT PAST INSIDE OF MULLION'S WEB AS SHOWN ON TABLE 1. APPLICABLE ONLY FOR JAMB TO MULLION CONNECTION, SHIMS CANNOT BE
- 11. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO. FOAM, BRICK VENEER AND SIDING).
- 12. FOR CONCRETE BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 13. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE **FOLLOWING PROPERTIES:**
 - A. WOOD SOUTHERN YELLOW PINE. MINIMUM SPECIFIC GRAVITY OF 0.55.
 - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH SHOWN IN TABLE 1 AND COMPLIES WITH ACI 301.
 - TRENGTH CONFORMANCE TO ASTM WEIGHT (DENSITY > 117 PCF), GROUT LORIDA BUILDING CODE.

PTC Product Design Group, LLC PO Box 520775 Longwood, FL 32752-0775 321-690-1788 (P) 321-690-1789 (F) FBPE Cert. of Auth. No. 25935

ЪН ВH

02/14/12 10/12/12

CONTEN

REVISED TABLE OF

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SHEET

Robert J. Amoruso, P.E.

FL License No. 49752

JAMES ARMER

WOONAL ENGINE

2010

P

INCORPORATED

7500 AMSTERDAM DRIVE ORLANDO, FL 32832

Phone: 407.481.8400 www.windoorinc.com

DRAWING TITLE:

SERIES 4000 SINGLE HUNG IMPACT (SMI) WINDOW **GENERAL AND INSTALLATION NOTES**

SIZE DRAWN BY: REV FEI0002 В **JBH** SCALE DATE: SHEET 07/11/11 10F8

SHEE 2 3 4 5 6 7

Table 1 - Notes:

A. Other manufacturer's concrete screws may be acceptable if they meet or exceed the allowable shear value of 303 lbs for concrete or grout-filled CMU or 202 lbs for hollow CMU, are installed at a minimum embedment required for that allowable and the installation meets the edge distance and spacing requirements for that anchor at the prescribed shear capacity.

Table 1 - ANCHOR SCHEDULE

Manufacturer

ITW Buildex Tapcon

ITW Buildex Tapcon with

Advanced Threadform

Technology

Elco Ultracon

ITW Buildex Tapcon with

Advanced Threadform

Technology

Elco Ultracon

ITW Buildex Tapcon with

Advanced Threadform

Technology

Elco Ultracon

ANSI B18.6.1 (WS) or

ANSI B18.6.4 (SMS)

(Type AB)

ANSI B18.6.4 (SMS)

required) or ITW/Buildex

TEK Screws

(Type D,F,G or T pilot hole embedment past

Size

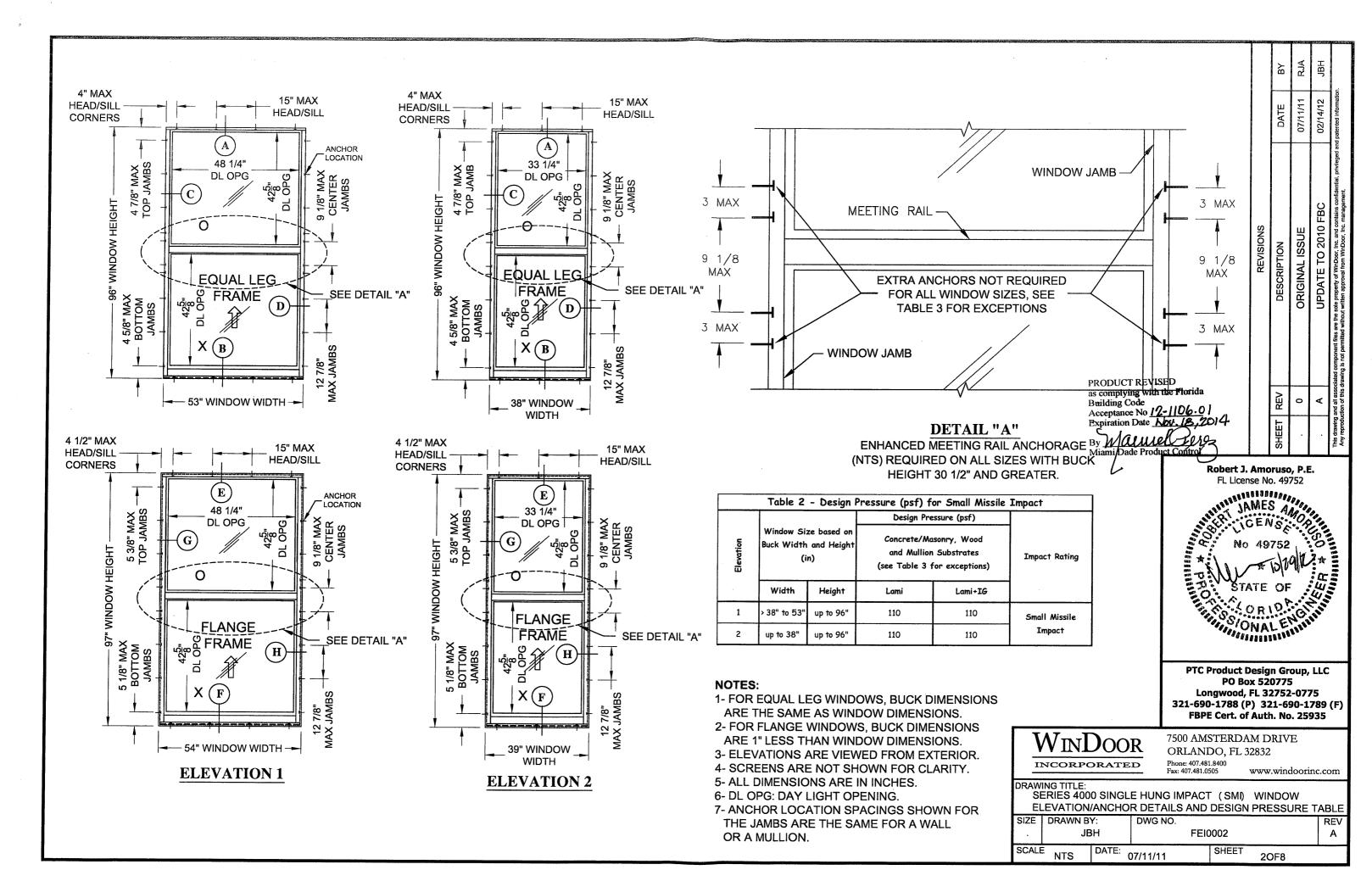
1/4"

#14 WS

1/4" SMS

1/4" SMS

- B. All screws will be "flat" head.
- C. Screw lengths will be sufficient to allow the minimum embedment to be made into the receiving substrate
- D. CMU: Concrete Masonry Unit.



TABLES 3A TO 3E - WINDOW SIZES WITH LIMITATIONS IN DESIGN PRESSURE DUE TO ANCHORAGE.

			ed Windows in Co		
	Design	Pressure (DP)) (psf) limited by A	nchorage	
Co	oncrete & Filled C	MU	CMU		
Buck Sizes BW BH No anchor limitations to DP.		DP (psf)	Buck Sizes		22/0
			BW	BH	DP (psf)
		110 psf (from Table 2)	> 52-1/8 to 53	> 95 to 96	95
				> 83 to 95	96
				> 71 to 83	104
			> 47 to 52-1/8	> 95 to 96	97
				> 83 to 95	98
				> 71 to 83	106
			No anchor limitatio	ns to DP for sizes	110 psf (fror
			smaller then	those above.	Table 2)

Table 3B - Modular Size			d Windows in Concrete/Masonry			
Design) (psf) limited by Anchorage				
ncrete & Filled C	MU	CMU				
Buck Sizes BW BH No anchor limitations to DP.		Buck Sizes		DD (12.05)		
		BW	ВН	DP (psf)		
		> 52-1/8 to 53	> 95-1/2 to 96	95		
			> 83-1/2 to 95-1/2	96		
			> 71-1/2 to 83-1/2	103		
		1	> 95-1/2 to 96	97		
			> 83-1/2 to 95-1/2	98		
			> 71-1/2 to 83-1/2	106		
				110 psf (from Table 2)		
	Design ncrete & Filled C k Sizes BH	Design Pressure (DP) ncrete & Filled CMU k Sizes BH DP (psf)	Design Pressure (DP) (psf) limited by A ncrete & Filled CMU k Sizes BH DP (psf) BW > 52-1/8 to 53 mitations to DP. 110 psf (from Table 2) No anchor limitation	BH DP (psf) Buck Sizes BW BH > 95-1/2 to 96 > 52-1/8 to 53 > 83-1/2 to 95-1/2 > 71-1/2 to 83-1/2 mitations to DP. Table 2) > 47-1/2 to 52-1/8 > 83-1/2 to 95-1/2 > 95-1/2 to 96 > 83-1/2 to 95-1/2		

	Commodity &	
Design Pressu	ited by Anchorage	
Buck	DP (psf)	
BW	BH	DF (psi)
No anchor limi	110 psf	
1 to anonor min	itationo to bi .	(from Table 2)

PRODUCT REVISED as complying with the Florida

		REVISIONS
SHEET REV	REV	DESCRIPTION
	0	ORIGINAL ISSUE
•	А	UPDATE TO 2010 FBC
This drawing Any reprodi	g and all asso uction of this c	This drawing and all associated component files are the sole property of WinDoor, Inc. and contains or Any reproduction of this drawing is not permitted without written approval from WinDoor, Inc. manager

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	Design	Pressure (DI	P) (psf) limited by	/ Anchorage	
Buck Sizes				ck Sizes	T / -
BW	ВН	DP (psf)	BW	ВН	DP (psf)
53	96	61	47	96	75
53	95	61	47	95	75
53	83	66	47	83	79
, 53	72	73	47	72	85
53	71	73	47	71	85
53	62	78	47	62	92
53	55 1/4	86	47	55 1/4	99
53	49 5/8	94	47	49 5/8	107
53	43 3/4	100	47	43 3/4	110
53	37 3/8	110	47	37 3/8	110
53	30 1/2	110	47	30 1/2	110
53	25	* 85	47	25	* 96
52 1/8	96	62	38	96	97
52 1/8	95	63	38	95	103
52 1/8	83	68	38	> 71 to 83	106
52 1/8	72	75	38	25 to 71	110
52 1/8	71	75	36	> 95 to 96	105
52 1/8	62	80	36	25 to 95	110
52 1/8	55 1/4	88	No encloseding	to DD (440 5 //
52 1/8	49 5/8	96	No anchor limitations to DP for sizes 110 psf (smaller then those above. Table		
52 1/8	43 3/4	101			(able 2)
52 1/8	37 3/8	110			
52 1/8	30 1/2	110	1		
52 1/8	25	* 87	1		

Table 3E - Modular Sized Windows in Wood Substrates					
Design Pressure (DP) (psf) limited by Anchorage					
Buck Sizes		DP (psf)		k Sizes	DB (nof)
BW	BH	Di (psi)	BW	BH	DP (psf)
53	96	61	43 1/2	96	80
53	95 1/2	61	43 1/2	95 1/2	81
53	83 1/2	66	43 1/2	83 1/2	86
53	71 1/2	73	43 1/2	71 1/2	94
53	59 1/2	81	43 1/2	59 1/2	102
53	51 1/2	91	43 1/2	30-1/2 to 51-1/2	110
53	47 1/2	98	43 1/2	27 1/2	* 96
53	43 1/2	100	. 39 1/2	96	92
53	35 1/2	110	39 1/2	95 1/2	92
53	30 1/2	110	39 1/2	83 1/2	98
53	27 1/2	* 78	39 1/2	71 1/2	106
47 1/2	96	71	39 1/2	30-1/2 to 59-1/2	110
47 1/2	95 1/2	71	39 1/2	27 1/2	* 105
47 1/2	83 1/2	76	35 1/2	> 83 1/2 to 96	107
47 1/2	71 1/2	84	No anchor limitations to DP for sizes 110 psf (from smaller then those above. Table 2		440 6 /6
47 1/2	59 1/2	92			, , ,
47 1/2	51 1/2	103			Table 2)
47 1/2	30-1/2 to 47-1/2	110			
47 1/2	27 1/2	* 87	1		

* SIZES WITH BUCK HEIGHT (BH) LESS THAN 30 1/2" DO NOT HAVE SPACE FOR ENHANCED ANCHORAGE AT THE MEETING RAILS, THEREFORE THE DESIGN PRESSURE (DP) IS LOWER THAN THE NEXT LARGEST WINDOW. AT 30 1/2" BH OR LARGER, WINDOWS ARE FABRICATED AND INSTALLED WITH ENHANCED ANCHORAGE AT MEETING RAILS.

- 1- FOR EQUAL LEG WINDOWS, BUCK DIMENSIONS ARE THE SAME AS WINDOW DIMENSIONS.
- 2- FOR FLANGE WINDOWS, BUCK DIMENSIONS ARE 1" LESS THAN WINDOW DIMENSIONS.
- 3- BW: BUCK WIDTH, BH: BUCK HEIGHT
- 4- DP: DESIGN PRESSURE
- 5- CMU: CONCRETE MASONRY UNIT

WINDOOR
INCORPORATED

SCALE

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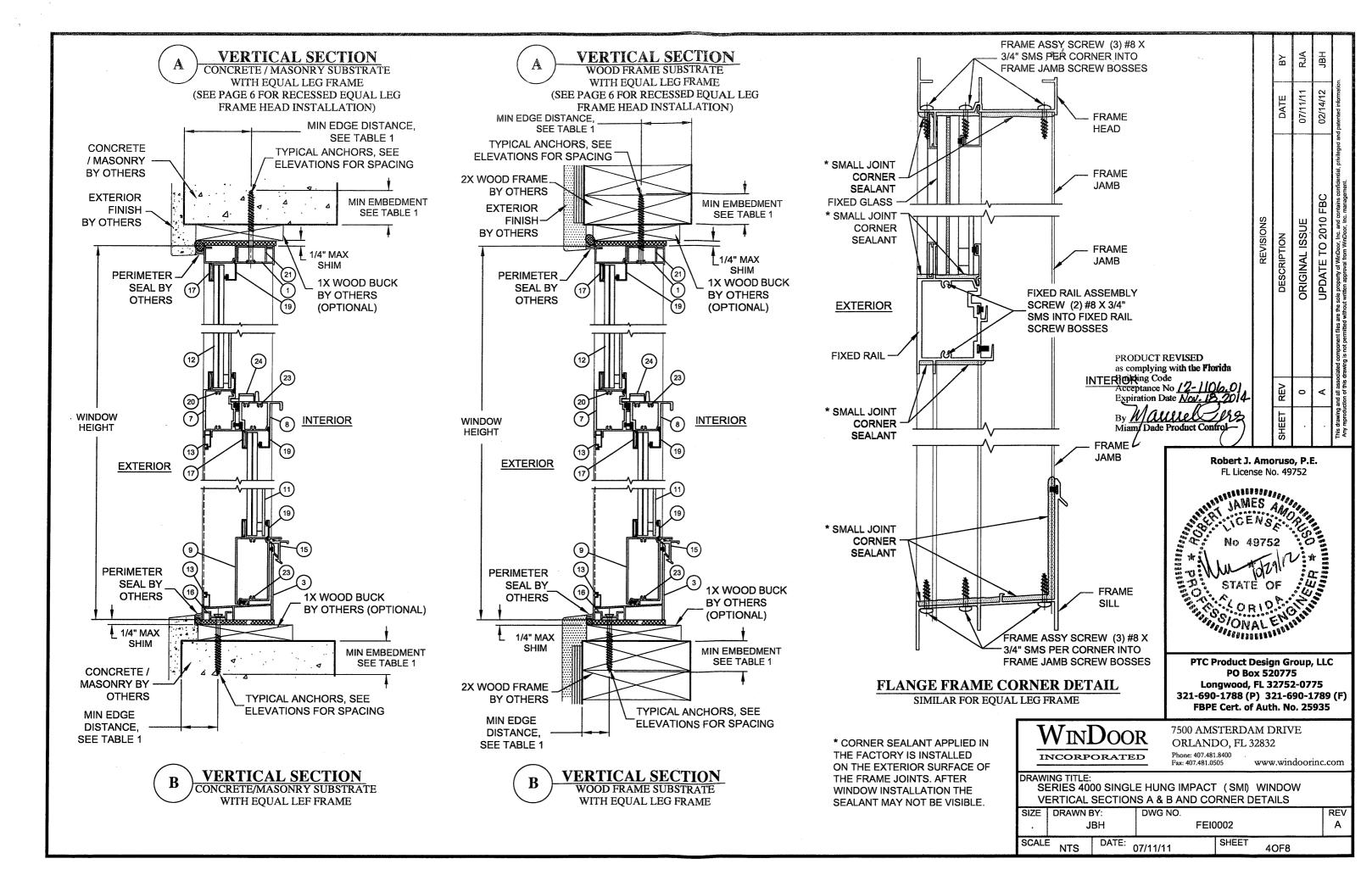
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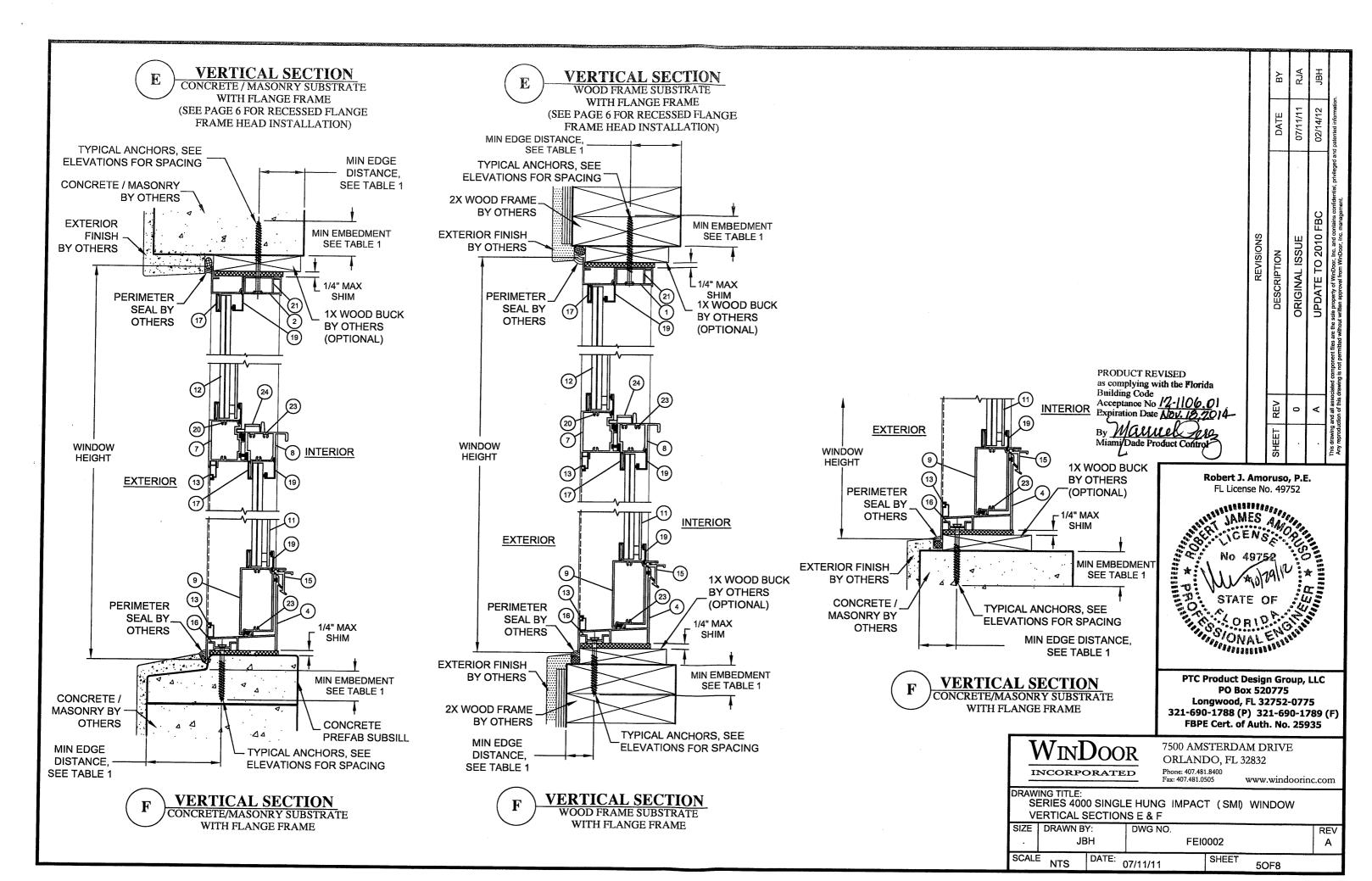
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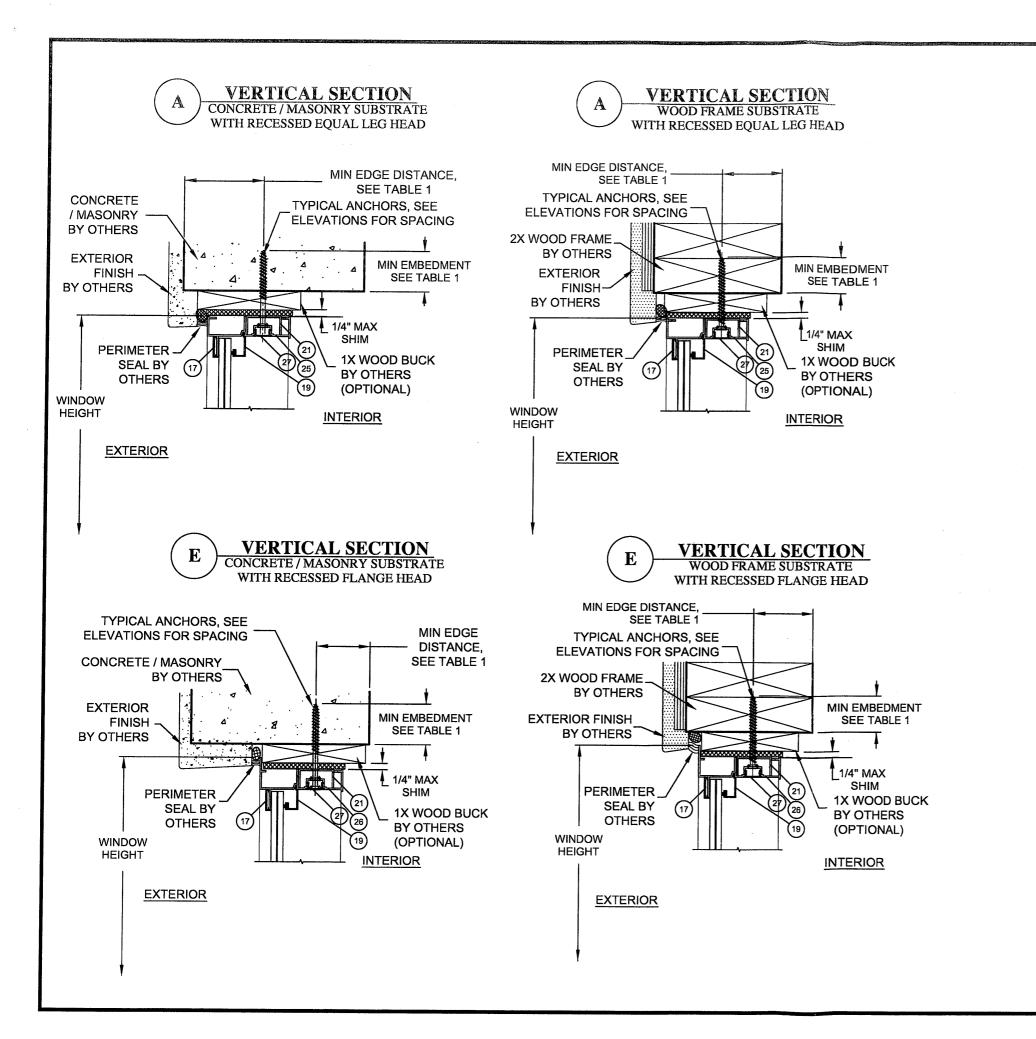
DRAWING TITLE: SERIES 4000 SINGLE HUNG IMPACT (SMI) WINDOW

Ai	NCHOR LIMITATIO	N TABLES
SIZE	DRAWN BY:	DWG NO.
	JBH	FEI0002

DATE: 07/11/11







B ADDED PAGE 6 FOR RECESSED FRAME HEAD

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ΒY

DATE

AMES AMON A9752

NO 49752

STATE OF

STATE OF

ORIONAL ENRIPHISTORY

ORIONAL ENRIPHISTOR

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v.481.0505 www.windoorinc.com

DRAWING TITLE:
SERIES 4000 SINGLE HUNG IMPACT (SMI) WINDOW
VERTICAL SECTIONS A & E (RECESSED FRAME HEAD)

 SIZE
 DRAWN BY:
 DWG NO.
 REV

 .
 JBH
 FEI0002
 B

 SCALE
 NTS
 DATE:
 07/11/11
 SHEET
 60F8

